



# Product Evaluation

DR807 | 1216

Engineering Services Program

*The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).*

*This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.*

*This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.*

*For more information, contact TDI Engineering Services Program at (800) 248-6032.*

**Evaluation ID:** DR-807

**Effective Date:** December 1, 2016

**Re-evaluation Date:** December 2020

**Product Name:** 6'-8" & 8'-0" Opaque "20 Minutes Fire Rated" Fiberglass Therma-Tru Entry Side-Hinged Doors, Inswing and Outswing, Singles, Impact Resistant

**Manufacturer:** Therma-Tru Corporation  
118 Industrial Drive  
Edgerton, OH 43517  
(419) 298-1740

## General Description:

System	Description	Label Rating PSF	Drawing Number
1	3'-0" x 6'-8" Opaque Fiberglass Single Door, Inswing/Outswing; (X)	Inswing +90/-100 PSF Outswing +90/-90 PSF	TX-4608
2	3'-0" x 8'-0" Opaque Fiberglass Single Door, Inswing/Outswing; (X)	Inswing +65/-75 PSF Outswing +65/-65 PSF	TX-4609
3	3'-0" x 6'-8" Opaque Fiberglass Single Door, Inswing/Outswing; (X)	Inswing +90/-100 PSF Outswing +90/-90 PSF	TX-4610

## Component Dimensions:

System	Overall Size	Panel Size	Door Frame Material
1	Inswing: 37-3/4" x 82" Outswing: 37-3/4" x 81"	Door (Book): 36" x 79 1/4" Door (Hybrid): 35-13/16" x 79 1/4" Door (U1): 35-13/16" x 79-1/16"	Wood
2	Inswing: 37-3/4" x 98" Outswing: 37-3/4" x 97"	Door (Book): 36" x 95 1/4" Door (Hybrid): 35-13/16" x 95 1/4" Door (U1): 35-13/16" x 95-1/16"	Wood

**Component Dimensions (Continued):**

System	Overall Size	Panel Size	Door Frame Material
3	Inswing: 39-1/4" x 82-5/8" Outswing: 39-1/4" x 81-1/2"	Door (Book): 36" x 79 1/4" Door (Hybrid): 35-13/16" x 79 1/4" Door (U1): 35-13/16" x 79-1/16"	Steel

**Components and Hardware:**

System	Component	Quantity	Attachment Method
1	4" Butt Hinges	3	Hardware must be installed in accordance with Therma-Tru Corp. drawing titled "20 Minutes Fire rated Fiberglass Door" No. TX-4608, dated April 25, 2016, signed & sealed by Lyndon F. Schmidt, P.E. on April 26, 2016.
	Kwikset Signature Series Knob & Signature Series Deadbolt (980) OR Schlage "F" Series Knob & "B" Series Deadbolt (B60)	1 each	
2	4" Butt Hinges	4	Hardware must be installed in accordance with Therma-Tru Corp. drawing titled "20 Minutes Fire rated Fiberglass Door" No. TX-4609, dated April 25, 2016, signed & sealed by Lyndon F. Schmidt, P.E. on April 26, 2016.
	Kwikset Signature Series Knob & Signature Series Deadbolt (980) OR Schlage "F" Series Knob & "B" Series Deadbolt (B60)	1 each	
3	4" Butt Hinges	3	Hardware must be installed in accordance with Therma-Tru Corp. drawing titled "20 Minutes Fire rated Fiberglass Door" No. TX-4610, dated April 25, 2016, signed & sealed by Lyndon F. Schmidt, P.E. on April 26, 2016.
	Kwikset Signature Series Knob & Signature Series Deadbolt (980) OR Schlage "F" Series Knob & "B" Series Deadbolt (B60)	1 each	

**Product Identification (Manufacturer Label on Door):**

System		
1	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name	Therma-Tru Corporation
	Product Name	3'-0" x 6'-8" Opaque Fiberglass Single Door, Inswing/Outswing
	Drawing	TX-4608
	Test Standards	ASTM E 330-02, E 1886-05, E 1996-09
2	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name	Therma-Tru Corporation
	Product Name	3'-0" x 8'-0" Opaque Fiberglass Single Door, Inswing/Outswing
	Drawing	TX-4609
	Test Standards	ASTM E 330-02, E 1886-05, E 1996-09
3	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Therma-Tru Corporation
	Product Name	3'-0" x 6'-8" Opaque Fiberglass Single Door, Inswing/Outswing
	Drawing	TX-4610
	Test Standards	ASTM E 330-02, E 1886-05, E 1996-09

**Impact Resistance:**

System	Impact Resistant	Requirement
1-3	Yes	These products satisfy the Texas Department of Insurance's criteria for protection from windborne debris in the <b>Inland I</b> and <b>Seaward zone</b> . The assemblies may be installed at any height on the structure as long as the design pressure rating for the assemblies is not exceeded.

**Acceptance of Smaller Assemblies:** Door assemblies with dimensions equal to, or smaller than those specified are acceptable with the limitations specified in this report.

**Installation:**

System		
1-3	Type of Installation	The doors must be installed and anchored in accordance with Therma-Tru Corporation drawings titled "20 Minutes Fire rated Fiberglass Door" No. TX-4608, TX-4609 & TX-4610 dated April 25, 2016, signed & sealed by Lyndon F. Schmidt, P.E. on April 26, 2016
	Wall Framing	
	Fasteners	
	Fastener Embedment	
	Fastener Location/Spacing	

**Note:** Keep the manufacturer's installation instructions available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.